

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1      13	
2. AMENDMENT/MODIFICATION NO. <div style="text-align: center;">397</div>		3. EFFECTIVE DATE <div style="text-align: center;">October, 2006</div>		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office Kennedy Space Center, FL 32899				7. ADMINISTERED BY (If other than Item 6) CODE			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  Space Gateway Support 2411 Dulles Corner Park, Suite 500 Herndon, VA 20171-3430				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. <div style="text-align: center;">NAS10-99001</div>			
				10B. DATED (SEE ITEM 13) <div style="text-align: center;">August 21, 1998</div>			
CODE		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. 1. ACCOUNTING AND APPROPRIATION DATA (If required)							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: FAR 52.243-2 Changes – Cost Reimbursement (AUG 1987) Alt II (APR 1984). THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-2 Changes – Cost Reimbursement (AUG 1987) Alt II (APR 1984)							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>3</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
<p>The purpose of this modification is to definitize Change Order 373 to provide for an equitable adjustment for the descope of Facility Condition Assessment for NASA and the Air Force and descope of Reliability Centered Maintenance Systems Analysis and Facility Inspection Services for Long Range Planning for Air force Facilities/Systems and Equipment. The period of performance for this CCR (06-48), is 1 October 2006 through 30 September 2008. The contract estimated cost is decreased by (\$1,605,500) and (\$128,440) in fee for a total decrease of (\$1,733,940).</p> <p>This change revises Article B-3, Contract Value; Article B-4, Award Fee; Article G-2 Contract Funding, SOW and DRD 2.2.06 Rev C. All other terms and conditions of the contract remain unchanged.</p> <p>In consideration of the modification agreed to herein as complete equitable adjustment for the contractor's proposal for adjustment, the contractor hereby releases the government from any and all liability under this contract for further equitable adjustments attributable to such facts and circumstances giving rise to the proposal for adjustment.</p>							
15A. NAME AND TITLE OF SIGNER (Type or print) Victoria G. Lockard Director, Contracts				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael Wheeler Contracting Officer			
15B. CONTRACTOR/OFFEROR <i>Victoria Lockard</i>		15C. DATE SIGNED <i>20 Feb 07</i>		16B. UNITED STATES OF AMERICA <i>Michael Wheeler</i>		16C. DATE SIGNED <i>2/28/2007</i>	
(Signature of person authorized to sign)				(Signature of Contracting Officer)			

ARTICLE B-3 CONTRACT VALUE			
<b>Basic Period Sep 98-30 Sep 03</b>			
The contract value is summarized below:			
Contract Period	Estimated Cost	Available Award Fee*	Contract Value
Phase-In Period (FFP)			
(Sept 1998)	\$1,113,486		1,113,486
<b>Basic Period Thru 395</b>			
10/01/98-09/30/00	\$396,406,378	\$23,187,199	419,593,577
Neg. Cost Overrun MOD 135	\$9,200,000	\$0	9,200,000
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No.			0
Total FY99-FY00	\$405,606,378	\$23,187,199	428,793,577
(10/01/00-09/30/01)	\$215,635,118	\$13,106,768	228,741,886
Neg. Cost Overrun MOD 135	\$18,804,377	\$0	18,804,377
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No.			0
Total FY01	\$234,439,495	\$13,106,768	247,546,263
(10/01/01-09/30/02)	\$234,055,207	\$14,098,312	248,153,519
Neg. Cost Overrun MOD 135	\$19,865,904	\$0	19,865,904
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No.			0
Total FY02	\$253,921,111	\$14,098,312	268,019,423
(10/01/02-09/30/03)	\$247,365,902	\$15,357,411	262,723,313
Neg. Cost Overrun MOD 135	\$22,426,471	\$0	22,426,471
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No.			0
Total FY03	\$269,792,373	\$15,357,411	285,149,784
<b>TOTAL BASIC PERIOD</b>	<b>\$1,164,872,843</b>	<b>\$65,749,690</b>	<b>1,230,622,533</b>
<b>Option Period 1 Oct 03 - 30 Sept 04</b>			
<b>Option 1A</b>			
(10/01/03-09/30/04)	\$244,075,599	\$15,352,803	259,428,402
Neg. Cost Overrun MOD 135	\$22,135,767	\$0	22,135,767
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No.			0
Total FY04	\$266,211,366	\$15,352,803	281,564,169
<b>Option 3BA</b>			
(10/01/03-09/30/04)	\$2,322,030	\$185,762	2,507,792
<b>Option 5BA</b>			
(10/01/03-09/30/04)	\$321,092	\$25,687	346,779
<b>TOTAL OPTION 1A PERIOD</b>	<b>\$268,854,488</b>	<b>\$15,564,252</b>	<b>284,418,740</b>

<u>Option Period 1 Oct 04 - 30 Sept 06</u>			
Contract Period	Estimated Cost	Available Award Fee*	Contract Value
Options Thru Mod 395			
OPTION 1B			
(10/01/04-09/30/05)	\$278,485,639	\$17,043,409	295,529,048
Neg. Cost Overrun MOD 135	\$25,895,945	\$0	25,895,945
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No.			\$0
Total FY05	\$304,381,584	\$17,043,409	321,424,993
(10/01/05-09/30/06)	\$261,577,567	\$14,035,254	275,612,821
Neg. Cost Overrun MOD 135	\$29,101,654	\$0	29,101,654
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No.			\$0
Total FY06	\$290,679,221	\$14,035,254	304,714,475
Option 3BB			
10/01/04-09/30/05	\$2,391,149	\$191,292	2,582,441
10/01/05-09/30/06	\$2,477,883	\$198,231	2,676,114
Total Option 3BB	\$4,869,032	\$389,523	5,258,555
Option 5BB			
10/01/04-09/30/05	\$331,342	\$26,507	357,849
10/01/05-09/30/06	\$331,781	\$26,542	358,323
Total Option 5BB	\$663,123	\$53,049	716,172
TOTAL OPTION 1B Period	\$600,592,960	\$31,521,235	632,114,195
<u>Option Periods 1 Oct 06 - 30 Sep 08</u>			
Contract Period	Estimated Cost	Available Award Fee*	Contract Value
OPTION 1C			
(10/01/06-9/30/07)	\$265,705,406	\$17,406,256	283,111,662
Neg. Cost Overrun MOD 135	\$31,867,270	\$0	31,867,270
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No. 397	(\$791,188)	(\$63,295)	(854,483)
Total FY07	\$296,781,488	\$17,342,961	314,124,449
(10/01/07-9/30/08)	\$270,851,076	\$17,705,646	288,556,722
Neg. Cost Overrun MOD 135	\$33,448,837	\$0	33,448,837
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
Mod No. 397	(\$814,312)	(\$65,145)	(879,457)
Total FY08	\$303,485,601	\$17,640,501	321,126,102

	<b>Option Periods 1 Oct 06 - 30 Sep 08 Cont.</b>		
Option 3BC			
10/01/06-09/30/07	\$2,539,810	\$203,185	2,742,995
10/01/07-09/30/08	\$2,621,598	\$209,728	2,831,326
Total Option 3BC	\$5,161,408	\$412,913	5,574,321
Option 4BB			
10/01/04-09/30/05	\$0	\$0	0
10/01/05-09/30/06	\$0	\$0	0
Total Option 4BB	\$0	\$0	0
Option 4BC			
10/01/06-09/30/07	\$0	\$0	\$0
10/01/07-09/30/08	\$0	\$0	\$0
Total Option 4BC	\$0	\$0	\$0
Option 5BC			
10/01/06-09/30/07	\$332,204	\$26,576	358,780
10/01/07-09/30/08	\$341,511	\$27,321	368,832
Total Option 5BC	\$673,715	\$53,897	727,612
<b>TOTAL OPTION 1C Period</b>	<b>\$606,102,212</b>	<b>\$35,450,272</b>	<b>641,552,484</b>
TOTAL CONTRACT			
VALUE SEP98-SEP08	\$2,640,422,503	\$148,285,449	\$2,788,707,952
*Earned fees for past periods plus the available fees for future periods			
Exercised options are moved above the Total Contract Value Line.			

**ARTICLE B-4 AWARD FEE**

The amount of award fee earned, if any, shall be determined in accordance with Section J, Attachment J-8, Award Fee Evaluation Plan, and other provisions of this contract as applicable. The following specifies by award fee period the amount of available award fee, the amount of earned award fee, and the award fee score.

AF P	BASIC PERIOD OF PERFORMANCE		Available Award Fee Through Mod 393	Total Award Fee For Mod 397	Adjusted Available Award Fee	Earned Award Fee Mod 393	Earned Award Fee Mod 397	Earned Award Fee	Award Fee Score and Mod
1	10/01/98	03/31/99	\$7,681,869		\$7,681,869	\$6,146,144		\$6,146,144	80% Mod 15
2	04/01/99	09/30/99	\$6,033,858		\$6,033,858	\$4,826,665		\$4,826,665	80% Mod 36
3	10/01/99	03/31/00	\$7,837,000		\$7,837,000	\$6,731,039		\$6,731,039	86% Mod 57
4	04/01/00	09/30/00	\$6,451,003		\$6,451,003	\$5,483,352		\$5,483,352	85% Mod 75
5	10/01/00	03/31/01	\$7,589,239		\$7,589,239	\$6,754,934		\$6,754,934	89% Mod 99
6	04/01/01	09/30/01	\$6,976,249		\$6,976,249	\$6,348,388		\$6,348,388	91%Mod118
7	10/01/01	03/31/02	\$5,863,642		\$5,863,642	\$5,336,408		\$5,336,408	91%Mod127
8	04/01/02	09/30/02	\$9,798,867		\$9,798,867	\$8,765,356		\$8,765,356	92%Mod147
9	10/01/02	03/31/03	\$8,121,627		\$8,121,627	\$7,634,968		\$7,634,968	94%Mod167
10	04/01/03	09/30/03	\$8,128,883		\$8,128,883	\$7,722,439		\$7,722,439	95%Mod194
11	10/01/03	03/31/04	\$7,899,317		\$7,899,317	\$7,583,343		\$7,583,343	96%Mod220
12	04/01/04	09/30/04	\$8,227,738		\$8,227,738	\$7,980,906		\$7,980,906	97%Mod248
13	10/01/04	03/31/05	\$9,788,138		\$9,788,138	\$9,103,283		\$9,103,283	93%Mod 283
14	04/01/05	09/30/05	\$8,964,909		\$8,964,909	\$8,157,926		\$8,157,926	91%Mod325
15	10/01/05	03/31/06	\$9,221,294		\$9,221,294	\$7,561,463		\$7,561,463	82%Mod350
16	04/01/06	09/30/06	\$8,090,053		\$8,090,053	\$6,698,564		\$6,698,564	82.8%Mod393
17	10/01/06	03/31/07	\$8,865,728	(\$31,674)	\$8,834,054				
18	04/01/07	09/30/07	\$8,770,289	(\$31,622)	\$8,738,667				
19	10/01/07	03/31/08	\$8,954,807	(\$32,572)	\$8,922,235				
20	04/01/08	09/30/08	\$8,987,887	(\$32,572)	\$8,955,315				
	<b>GRAND TOTAL</b>		<b>\$162,252,397</b>	<b>(\$128,440)</b>	<b>\$162,123,957</b>			<b>\$148,285,449</b>	Earned & Available

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## **2.0 PUBLIC WORKS**

### **2.1 ENGINEERING SERVICES**

The contractor shall provide engineering services to accomplish base operations and support services in support of facilities planning, real property management, facility programming, design services, specifications, engineering documentation, construction management, surveying, cost analysis, facility activation, and energy management at KSC, CCAFS, and the Florida Annexes. The contractor shall maintain Air Force and NASA facilities in a cost-effective manner that protects and preserves investments. The contractor shall provide engineering services to NASA in accordance with NASA-STD-8719.11 and NPG 8820.2E.

#### **2.1.1 Facilities Planning**

The contractor shall provide a full range of facilities planning services for KSC, CCAFS, PAFB, and the Florida Annexes, as described in the following paragraphs. The facility inspection services that support the long term planning services will not be provided for the Air Forces's F/S/Es. The contractor shall be committed to preserving government assets and protecting the environment. The contractor shall continuously promote the stewardship of government resources among managers and the workforce. The contractor approach shall be to protect the government's investment through dedicated maintenance and repair of infrastructure, advocacy for capital improvements, effective land use for all activities and tenants, and continuous observations and recommendations to appropriate government personnel in all areas. (Mod 397)

**2.1.1.1 Real Property Management.** The contractor shall maintain real property records and perform physical inventories to include utilization of government-accountable facilities located on KSC, CCAFS, and Florida Annexes as listed in Technical Exhibit 2.1.1.1-001, NASA Real Property and Technical Exhibit 2.1.1.1-002, AF Real Property. Upon land withdrawal or return from the Fish and Wildlife Service, the contractor shall enter data in the Cape Canaveral Spaceport Geographic Information System (CCSGIS).

The contractor shall support management of NASA accountable real property in accordance with NPD 8800.14B, Policy for Real Property Management for NASA. The contractor shall support management of Air Force-accountable Real Property information in accordance with Air Force 32 Series publications 9001, 9002, 9003, 9004, and 9005.

The contractor shall maintain reports, to include the KSC Annual 1400 report, the NASA Quarterly Real Property report, the KSC Trailer Abatement Report, and the Air Force Quarterly Report for Stuart P. McKinney Homeless Act.

## **2.2 INFRASTRUCTURE**

The contractor shall provide operations, maintenance, engineering, and custodial services for the facilities, systems, equipment, grounds, and utilities at KSC, CCAFS, and the Florida Annexes to accomplish safe, effective, and environmentally compliant base operations and support services. Assigned F/S/E are designated by the contractor's O/M/E/U Matrix in accordance with DRD 2.2-01, Report, Facilities, Systems, and Equipment Operations/Maintenance/Engineering/User Matrix.

The contractor shall continuously maintain an infrastructure maintenance program based on the Reliability Centered Maintenance (RCM) principles and the Integrated Logistics Support (ILS) requirements. The contractor shall continuously maintain the inventory and maintain optimal baselines for each system and subsystem. The contractor shall not provide systems analysis process for AF. (Mod 397).

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The contractor shall develop and provide a Five-Year Facility Maintenance and Facility Project Plan that establishes long-term system sustaining projects and planning in accordance with DRD 2.2-04, Five Year Facility Maintenance and Facility Project Plans. (Mod 397)

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The contractor shall maintain an electronic F/S/E O/M/E/U Matrix in accordance with DRD 2.2-01, Report, Facilities, Systems, and Equipment Operations/Maintenance/Engineering/User Matrix.

### 2.2.1 Facilities/Systems/Equipment (F/S/E)

The contractor shall provide a comprehensive integrated management information system for receiving, validating, scheduling, controlling, subcontracting, project management, cost management, and tracking all work associated with the contract. The work control function shall identify all tasks, costs, durations and resources required. The contractor shall identify and implement tasks and work necessary to ensure that all facilities, structures, systems, and equipment for which O&M responsibility is assigned shall continue to function at their original capacity and at their design efficiency. Work to be identified includes preventive maintenance, corrective maintenance, and overhaul or replacement to obtain best value.

The contractor shall provide and maintain an on-line, interactive automated work control system that provides current, accurate visibility of all work. The system shall provide sufficient scheduling and reporting capability to communicate to customers work milestones (programming, design, procurement/contracting, pre-bid, bid opening, award, notice to proceed, completion dates, revised completion dates, construction status, utility locates) and cost (Rough Order of Magnitude (ROM), Final Design Estimate (FDE), original contract, current contract, pending change orders, and final contract) to completion, in accordance with DRD 2.2-08, Type 3C Project and Work Status Report.

The contractor shall provide the government with access to the man-hours expended on government submitted projects. Information input into the system shall include the facility number, system description, equipment number, utility description, and a complete description of work to be done. Information shall be sufficient enough to allow government customers to enter the system and perform searches for any F/S/E. The contractor shall provide the government with F/S/E reports in accordance with DRDs 2.2-04, Five Year Facility Maintenance and Facility Project Plans, 2.2-05, Backlog of Maintenance and Repair (BMAR), 2.2-06, Facility Maintenance Execution Summary, and 2.2-07, Facility and System Availability.

The contractor shall ensure the reliability of assigned facilities, systems, and equipment. Maintenance shall be performed to prevent deterioration to the point at which major refurbishing is required prior to the end of the designed life cycle to restore the system, facility, or equipment. Reliability Centered Maintenance (RCM) principles shall be



employed in accordance with NPR 8831.2. Maintenance analysis decisions ~~made during the performance of Facility Condition Assessments~~, requiring changes to the levels of preventive/predictive maintenance, shall be documented on the Maintenance Action Request (MAR) form, FAM-F-0006. ~~The contractor is not required to perform the Facility Condition Assessments as specified in NPR 8831.2, NAVFAC MO-322 and OPNAVINST 11010.34. (Mod 397)~~

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**Warranty Maintenance.** The contractor shall execute warranty provisions and maintain warranty or guarantee records for all equipment and material in the facilities support area during the time they are under warranty or guarantee; investigate the failure of any covered equipment or material and report findings to the appropriate customer; and take no action that would void a warranty without prior approval from the government representative. The contractor shall be responsible for obtaining warranty documents on all warranted equipment and materials installed by the contractor. Warranty documents shall be provided to the contractor upon installation of new equipment by others.

**2.2.1.1 Operations, Maintenance, and Engineering.** The contractor shall provide operations, maintenance, and engineering for all F/S/E, in accordance with the O/M/E/U Matrix, DRD 2.2-01, Report, Facilities, Systems, and Equipment Operations/Maintenance/Engineering/User Matrix (Technical Exhibit 2.2—017) including associated F/S/E firmware and software. When the contractor, the government, or both have identified F/S/E omissions or deletions, the O/M/E/U Matrix shall be updated by direction from the contracting officer. However, during the update or turnover process, the contractor shall continue to provide operations, maintenance, and engineering services for the pending facilities, systems, subsystems, structures or other items required for function. (Mod 286)

The contractor shall perform maintenance and operations of the interconnection facilities contained in the compliance document "Interconnection Agreement Between Florida Power & Light Company and the National Aeronautics and Space Administration." (Mod 299)

**2.2.1.12 Corrosion Control and Facilities Painting.** The contractor shall provide corrosion control to include support to cathodic protection systems under J-BOSC, per the O/M/E/U Matrix and facilities painting support to include road markings, fabrication, and installation of signs and banners.

The contractor shall provide abrasive blasting and protective coating services for KSC and CCAFS, and to equipment transported to the corrosion control facilities at KSC and CCAFS by CAPPS, Space Station, SFOC and the LO&SC contractors. The contractor shall provide corrosion control and paint services to include scaffolding and rigging support as required, for maintenance activities of assigned structures, facilities, systems, and equipment. The contractor shall prepare and maintain a Cathodic Protection Booklet in accordance with AFM 85-5, AFI 32-1054, and DRD 2.2-11, Cathodic Protection Report. One (1) hard copy and one (1) electronic copy shall be delivered on an annual basis. ~~Painting schedule of facilities shall be done based on FCA condition reports.~~ Painting color scheme of facilities shall be in accordance with facility excellence plans. The contractor shall provide National Association of Corrosion Engineers (NACE) Level 3 inspection services as required. (Mod 397)

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**2.2.1.14 Asbestos Protection Program.** The contractor shall manage the asbestos containing material (ACM) program at all contractor maintained F/S/E, as specified in the O/M/E/U Matrix, in accordance with the 45th Space Wing and NASA-KSC Asbestos Management Program. The contractor shall develop and maintain a written asbestos management and operation plan as detailed in Appendix "A" of Section "J", Attachment "J-1" (to include a 5-year abatement plan updated every year). The contractor shall conduct ACM condition inspections ~~as required, following the frequencies dictated by the Facility Condition Assessment (FCA) program. FCA reports shall include ACM condition assessments with recommended abatement actions.~~ The contractor shall plan and program asbestos abatement projects to correct deficiencies found. Asbestos abatement should be incorporated into facility maintenance, repair or renovation projects where feasible. The contractor shall submit a 5-year abatement plan updated every year to NASA-KSC and the 45th Space Wing asbestos program managers and infrastructure maintenance managers. The contractor shall remove ACM for maintenance, operations, and mission requirements in accordance with all Federal, State, local, Air Force regulations and requirements, and as described in Appendix "A" of Section "J", Attachment "J-1". (Mod 397)

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When health hazards are identified, ACM is being disturbed because of modification activities, or ACM is identified as deteriorated by any source, the contractor shall abate the asbestos, re-insulating, or resurfacing as needed.

# DATA REQUIREMENT

CONTRACT APPLICATION INFORMATION FOR DRL _____					A. ITEM NO. 2.2-06 Rev.C	
B. LINE ITEM TITLE: Facility Maintenance Execution Summary						
C. OPR.  TA	D. TYPE  3	E. INSPECT/ ACCEPT  1	F. FREQ.  Monthly /Annually	G. INITIAL SUB.  Nov.15,2006	H. AS OF DATE  90/30	
J. REMARKS: Block K: Type "D" is electronic via email or portable media, using Microsoft Excel. This Revision supercedes all previous versions and parts.						
K. DISTRIBUTION					TOTALS	
					NO.	TYPE
JP-B/Infrastructure Lead					1	D
KSC/NASA/TA - Functional Manager for Facilities Maintenance					1	D
45 CES/CELO/Chief, Range Operations Element					1	D
DATA REQUIREMENT DESCRIPTION						
1. TITLE Facility Maintenance Execution Summary					2. NUMBER	
3. USE This document will be used by Government personnel to assess the Contractor's stewardship of assigned real property and collateral equipment.					4. DATE	
					5. ORGANIZATION	
7. INTERRELATIONSHIP WBS 2.2, DRD					6. REFERENCES NPG 8831.2	
8. PREPARATION INFORMATION						
<p>1. <b>Labor Hour Estimate:</b> Deliver spreadsheets that depicts the number of manhours to do 100% of the PMs (+PTs) that are needed for maintenance of our Facilities/Systems/Equipment as covered by WBS 2.2. Infrastructure for a "normalized" year.</p> <ul style="list-style-type: none"> <li>- Summary worksheet of estimated annual labor hours by primary system</li> <li>- Detail worksheets (by primary system) showing, at a minimum: Equipment Number, PM Number, Job Plan Number, PM's Performance Frequency, Estimated Labor Hours, PM's Occurences per year.</li> <li>- in Excel workbook format, Annual (at the beginning of the Fiscal Year).</li> </ul> <p>2. <b>Deferral Pareto Charts:</b></p> <p>2.1. PM Deferrals:</p> <ul style="list-style-type: none"> <li>- in Excel workbook format, Monthly.</li> </ul> <p>2.2. PM Deferrals: for the Critical/MEE/Code Compliant Systems-Equipment:</p> <ul style="list-style-type: none"> <li>- in Excel workbook format, Monthly.</li> </ul> <p>2.3. PT Deferrals:</p> <ul style="list-style-type: none"> <li>- in Excel workbook format, Monthly.</li> </ul> <p>3. <b>Completed PMs:</b> Deliver charts that shows the number of PM/PTs Issued, "Adjusted" Issued, and Completed.</p> <ul style="list-style-type: none"> <li>- in Excel workbook format, Monthly.</li> <li>- "Adjusted" Issued = Issued - "Can't Do" - "Should not Do" - Cancelled. Can't Do = AD, EU, OD. Shouldn't Do = IU, VS, RP.</li> </ul> <p>3.1. Deliver a Bar-chart for the month's period grouped by primary systems.</p> <p>3.2. Deliver a Trend line chart that shows the total values for the previous 12 months (including the current month).</p>						

## 8. PREPARATION INFORMATION (continued)

### 4. Completed PTs: Deliver charts that shows the number of PM/PTs Issued, "Adjusted" Issued, and Completed.

- in Excel workbook format, Monthly.
- "Adjusted" Issued = Issued - "Can't Do" - "Should not Do" - Cancelled.
  - Can't Do = AD, EU, OD.
  - Shouldn't Do = IU, VS, RP.

#### 4.1. Deliver a Bar-chart for the month's period grouped by primary systems.

#### 4.2. Deliver a Trend line chart that shows the total values for the previous 12 months (including the current month).

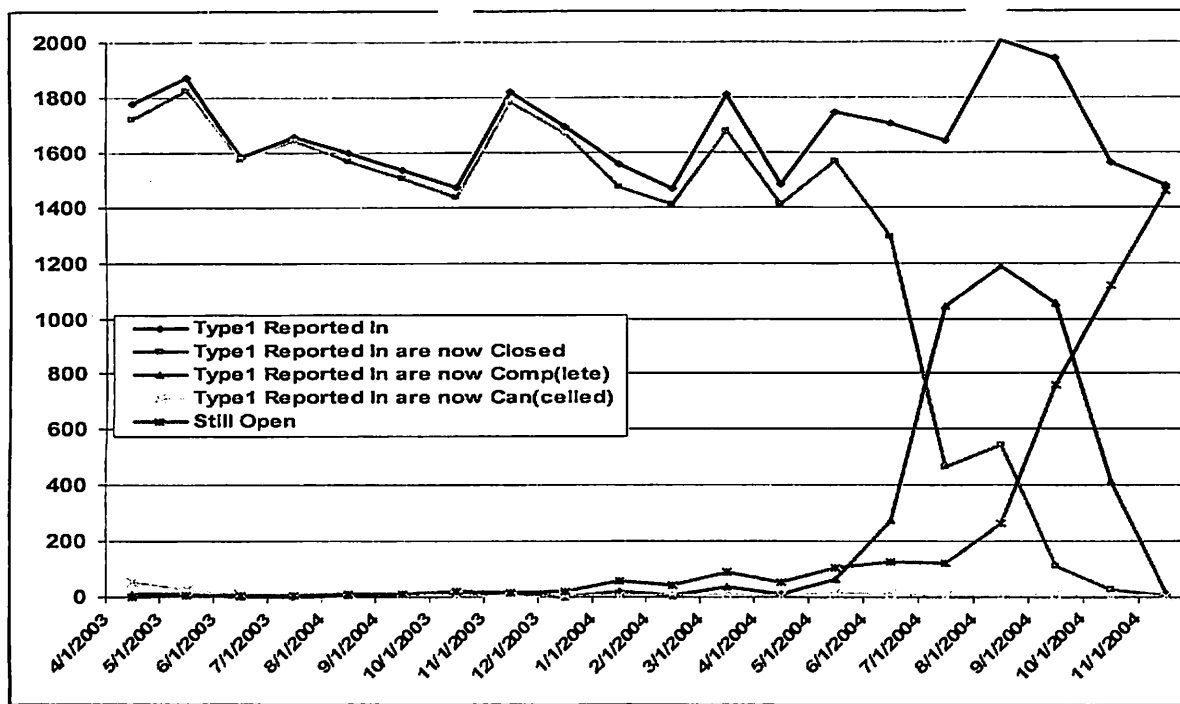
### 5. 6-Month Overdue: Deliver a listing of the Type1 PM maintenance tasks for Facility-Systems-Equipment.

- in Excel workbook format, Monthly.
- Data should be provided in list format.
- The listing needs to include all of the WONS that were Reported more than 6 months ago and are still Open or Completed.
- The listing needs to include the following fields (as a minimum): WON, Won Description, Reported Date, Completion Date, (current) Status.

### 6. Lag Time from Submittal to Completed to Closed: Deliver a listing of the Type1 PM maintenance tasks for Facility-Systems-Equipment.

- in Excel workbook format, Monthly.
- Data should be provided in table format as well as depicted graphically (chart).
- The data will be for the previous 12 months.
- For each month, the data and charting needs to collect and display the following:
  - Number of "Reported WONS" (opened / issued).
  - The number of the "Reported WONS" that are now in the status of Closed (Maximo's Close and Can).
  - The number of the Reported WONS that are now in the status of Completed (Maximo's Comp and Cmplt)
  - The number of the Reported WONS that are now in the status of Deferred (Maximo's CDEF).
  - The number of the Reported WONS that are now still in the status of Open.

Format to be partnered with the Government.



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